



Accreditation no. 19898

ARTICULATED MOBILE CRANE *Annual Report*

Company	C & C Construction Services	ABN	82 780 055 822
Address	1 Sir Henry Parkes Avenue MEDOWIE	Representative	Mr Peter Ritters
State	NSW	Phone	02 4982 8257
Postcode	2318	Email	priters@cccs.net.au

Make	Franna
Model	AT 20
Serial Number	4458
Plant Number	FCS075
Year of Manufacture	2010
Design Registration Number	Q19500
Plant Registration	MC 6-164784/13/0
Road Registration	508 REO
Max Load	20000kg
Number of Axles	2
Lower Hours	11450
Kilometers	21082



Country where assessed	Australia	State	NSW
Operators Manual in English	OK		
Log Book	OK		
Maintenance Records	OK		
Crane Safety Manual	No		

Assessed By	Troy Kiem	Company	A1 Crane Inspections
Reg. No.	NSW1082	Address	P O Box 414 KURRI KURRI
Phone	0425 384 091	State	NSW
Email	a1craneinspections@gmail.com	Postcode	2327

Initial Inspection Date	04/06/2020	Issued Date	24/06/2020
		Expiry Date	04/06/2021

Conforms to Checklist Yes

This report is confirmation that the crane has undergone an annual inspection to the appropriate standard and is considered safe for continued operation at time of inspection.

Actions Required - NA

Accredited for compliance with ISO/IEC 17020

NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration and inspection reports

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BOOM AND ATTACHMENTS

Base Section	OK
No. 1 Section	OK
No. 2 Section	OK
No. 3 Section	OK
No. 4 Section	N/A
Length Markings	N/A
Rope Compensation System	OK
Hook Lift Lugs and Tonnage Decals	OK
Head Sheaves and bearings	OK
Idler Sheave and Bearing	OK
Rooster Sheave and Bearing	N/A
Extension / Fly Jib Mounts	N/A
Machinery Hook	OK
Boom Lift Cylinders	OK
Lock Valve(s)	OK
Extension Cylinders	OK
Lock Valve(s)	OK
Extend Ropes / Chains	OK
Retract Ropes / Chains	OK
Boom Length Recoil Drum(s)	OK
Boom Angle Indicator	OK
Extension / Fly Jib	N/A
Extension Sheaves and Bearings	N/A
<i>ANTI-TWO BLOCKS</i>	
Boom Head	N/A
Rooster Sheave	N/A
Extension / Fly	N/A
<i>HOOK BLOCKS - WITH CRANE</i>	
Description	BLOCK
Type	
Manufacturers Identification	OK - BBT03573
Branded WLL (kg)	OK 16800kg
Safety Latches	
Sheaves and Bearings	OK - 2
Swivel	
Branded with Tare Weight (kg)	OK 180kg
<i>HOOK BLOCKS - WITH CRANE No. 2</i>	
Description	HOOK
Type	
Manufacturers Identification	OK - BBT03556
Branded WLL (kg)	OK 20000kg
Safety Latches	OK
Swivel	OK
Branded with Tare Weight (kg)	N/A kg

FRAME AND CABIN

Frame	OK
Counterweight Attachment - Security	OK
Counterweight Hazard Striping	OK - Require replacing.
Boom Mounting Lugs	OK
Boom Mounting Pins	OK
Lift Cylinder Lugs	OK
Lift Cylinder Pins	OK
Cab Glass and Mirrors	OK
Sheet Metal / Guards	OK
Seat and Assembly including Seat Belts	OK
Decals / Signs - In English	OK
Load Charts in English as per AS1418	OK
Side Slope Deration Chart	OK
Control Levers - Clearly Marked	OK
Control Cables / Pilot Hoses	OK
Heater	OK
Air Conditioner	OK
Gauges	OK
Anti-Two block Alarms	N/A
Horn	OK
Access Steps	OK
Doors and Locks	OK
Crane Level Indicator	OK
Front Wiper	OK
Roof Wiper	N/A
Windscreen Wiper / Washer	OK
Switches and Relays	OK
Rotating Beacon(s)	OK

DRIVE SYSTEMS

Radiator & Coolant level	OK
Water Temperature Gauge	OK
Radiator Hoses / Heater Hoses	OK
Fan / Fan Shaft Assembly	OK
Fan Guard	N/A
Oil Filter & Oil Level	OK
Water Pump and Conditioner	OK
Oil Cooler(s)	OK
Fuel Lines	OK
Throttle	OK
Engine Mounts	OK
Power Transmission Belts	N/A
Exhaust Brake	OK
Muffler / Spark Arrestor	OK
Abnormal Engine Noises	OK
Fuel Tank & Diesel Level	OK
Drive Coupling	OK
Transmission Noise / Leaks	OK
Filter and Housing	OK
Pump Drives (PTO)	OK

CHASSIS INSPECTION

Frames	OK
Suspension System	OK
Axle Lock Outs (if fitted)	N/A
Steering Components - Lugs / Pins etc	OK
Front Axle(s)	OK
Rear Axle(s)	OK
Differentials / Planetary Drives	OK
Transfer Case	OK
Drive Lines	OK
ABS Brakes	N/A
Front Brake(s)	OK
Rear Brake(s)	OK
Holding / Parking Brake	OK
Emergency Brake Release	OK
Front Wheels and Tyres	OK - Tyre pressures low. Correction required
Rear Wheels and Tyres	OK
Spare Wheel	OK
Engine Cowls	OK
Articulation Joint	OK - 0.7mm measured. Limit is 0.5mm. Adjustment required
Tackle Boxes	OK
Fire Extinguisher	OK

HYDRAULIC SYSTEM

Hydraulic Reservoir & Oil Level	OK
Return Filters and Housing	OK
Suction Lines and Hoses	OK
Oil Cooler(s)	OK
Main Pump(s)	OK
Steering Pump	OK
Emergency Steering Pump	OK
Steering Cylinder	OK
Relief Valves	OK
Flow Control Valves	OK
Pressure Filter and Housing	OK

AIR SYSTEMS

Compressor	OK
Air Reservoirs	OK
Drain Valves	OK
Air Lines	OK
Brake Chambers	OK
Brake Valves	OK
Air Cylinders	OK
Gauges	OK
Air Dryer	OK

ELECTRICAL SYSTEMS

Battery Box	OK
Battery Cables	OK
Battery Isolator	OK
Head Lights	OK
Tail Lights	OK
Stop Lights	OK
Directional Indicators	OK
Hazard Lights	OK
Work Lights	OK
Clearance Lights	OK
Switches and Relays	OK
Back-up Alarm	OK
Horn for Road Travel	OK

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MAIN WINCH

Winch Condition & Oil Level	OK
Leaks	OK - Valve on counter balance weeping
Rope Spooling	OK
Mounts	OK
Brake Operation	OK
Drum Turn Indicator	N/A
Wire Rope	OK
Rope Anchor and Pin	OK
Correct Assembly and Connection of Hoist	OK
Rope Anchor	

FUNCTIONAL TESTS - MAIN WINCH*Rated Capacity Indicator (RCI)*

Load Chart Reference Number	CMN
Printed Chart - No Load	OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	43.00°	42.80°
Boom Length, m	13.85m	13.80m
Radius, m	8.00m	8.00m
Load, kg	3600kg	3600kg

Rated Capacity Limiter (RCL)

Load Chart Reference Number	CMN
Rated Load - Boom Fully Extended	OK

	Rated Capacity Indicator	Measured
Radius, m	10.70m	10.70m
Load, kg	2800kg	2210kg

Rated Load in Stability OK

	Rated Capacity Indicator	Measured
Radius, m	10.70m	10.70m
Load, kg	2800kg	2210kg

Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	4400kg	4200kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	4400kg	4200kg

Overload Warning Lights and Alarms	OK
Rated Capacity Limiter Fitted (Overload Limiter)	OK

CRACK INSPECTION

No Cracks Detected

OK

*Any third party testing is not included in the Crane**Safe** NATA accreditation.*

ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER - NA

SITE REQUIREMENTS - NA

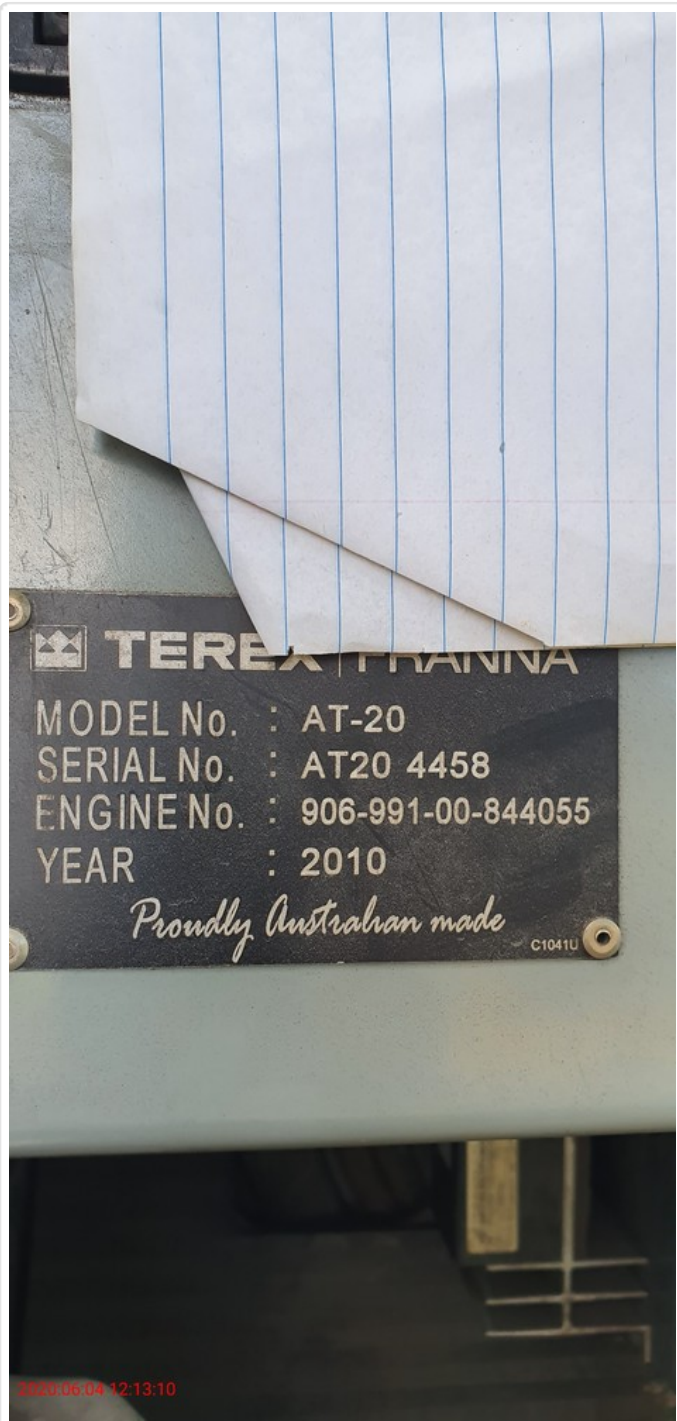
APPENDICES

CRANE

Model



Serial Number



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Lower Hours



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Kilometers



ASSESSMENT

Log Book

C&C CONSTRUCTION SERVICES

MOBILE PLANT - DAILY PRE-START CHECKLIST 2143

Machine Type: FORK LIFT MOBILE CRANE TELEHANDLER

MAKE: AT-20 Telex FRAWA REGO NUMBER: 508-REO UNIT NUMBER: 2143

INSPECTION/CHECK	X or ✓	INSPECTION/CHECK	X or ✓
Walk Around Check:		Engine Check:	
• Tyres	<input checked="" type="checkbox"/>	• Radiator	<input checked="" type="checkbox"/>
• Water Leaks	<input checked="" type="checkbox"/>	• Fan belt	<input checked="" type="checkbox"/>
• Oil Leaks	<input checked="" type="checkbox"/>	• Battery	<input checked="" type="checkbox"/>
• Missing/Broken/Damaged Parts	<input checked="" type="checkbox"/>	• Engine oil level	<input checked="" type="checkbox"/>
• Do pivot points look greased	<input checked="" type="checkbox"/>	• Hydraulic oil Level	<input checked="" type="checkbox"/>
• Load chart/plate	<input checked="" type="checkbox"/>	• Brake Fluid	<input checked="" type="checkbox"/>
• Steps, safety rails	<input checked="" type="checkbox"/>	• Air Service Indicator	<input checked="" type="checkbox"/>
• Pedals free from grease	<input checked="" type="checkbox"/>	• Fuel Level/LPG gas pressure	95%
• Mirrors	<input checked="" type="checkbox"/>	After Starting	
• Seatbelt condition	<input checked="" type="checkbox"/>	• Warning lights and alarms	<input checked="" type="checkbox"/>
• Wire rope condition	<input checked="" type="checkbox"/>	• Brakes, parking brake	<input checked="" type="checkbox"/>
• Sheaves and pulleys	<input checked="" type="checkbox"/>	• Clutch	<input checked="" type="checkbox"/>
• Safety Hook	<input checked="" type="checkbox"/>	• Gauges	<input checked="" type="checkbox"/>
• Lifting equipment	<input checked="" type="checkbox"/>	• Hydraulic operations/controls	<input checked="" type="checkbox"/>
• Boom Condition, safety pins	<input checked="" type="checkbox"/>	• Motor	<input checked="" type="checkbox"/>
• Fire extinguisher	<input checked="" type="checkbox"/>	• Steering	<input checked="" type="checkbox"/>
• Operating Manual	<input checked="" type="checkbox"/>	• Ram seals for leaks	<input checked="" type="checkbox"/>
• Amber flashing light	<input checked="" type="checkbox"/>	• Horn	<input checked="" type="checkbox"/>
• Mast, carriage	<input checked="" type="checkbox"/>	• Limit switches	<input checked="" type="checkbox"/>
• Forks, locking pins	<input checked="" type="checkbox"/>	• Fork adjustment	<input checked="" type="checkbox"/>
• Lifting assembly and chains	<input checked="" type="checkbox"/>	• Platform & base controls (EWP)	<input checked="" type="checkbox"/>
• Hydraulic hoses, unions, cylinders etc.	<input checked="" type="checkbox"/>	• Emergency decent control (EWP)	<input checked="" type="checkbox"/>
• Overhead guard, truck body, FROP's & ROPS	<input checked="" type="checkbox"/>	• Outriggers/stabilisers	<input checked="" type="checkbox"/>
• Condition of Cab	<input checked="" type="checkbox"/>	• Guardrail system	<input checked="" type="checkbox"/>
• Condition of windscreen	<input checked="" type="checkbox"/>	• Manufacturer specified items	<input checked="" type="checkbox"/>

IS THE MACHINE IN GOOD ORDER AND SAFE TO USE? YES NO (PLEASE TICK)

IF NO, DO NOT operate the equipment. Isolate/Tag the equipment and contact your supervisor to organise for the appropriate repairs to be carried out:

Defects Identified and Actions taken: _____ By Whom: _____

Inspection Carried Out By: Name: JOHN WOLFE Sign: [Signature] Date: 30-5-20

2020/05/04 12:18:39

BOOM AND ATTACHMENTS

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Boom Lift Cylinders



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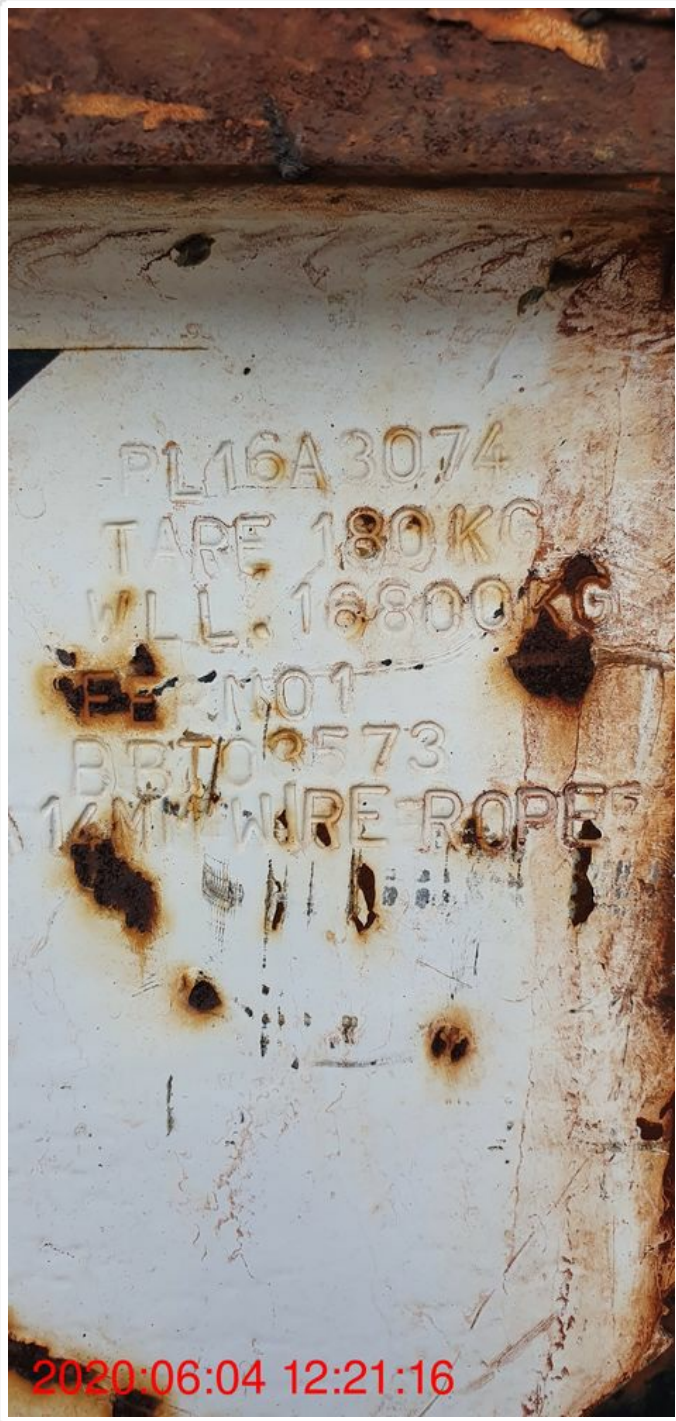
Description



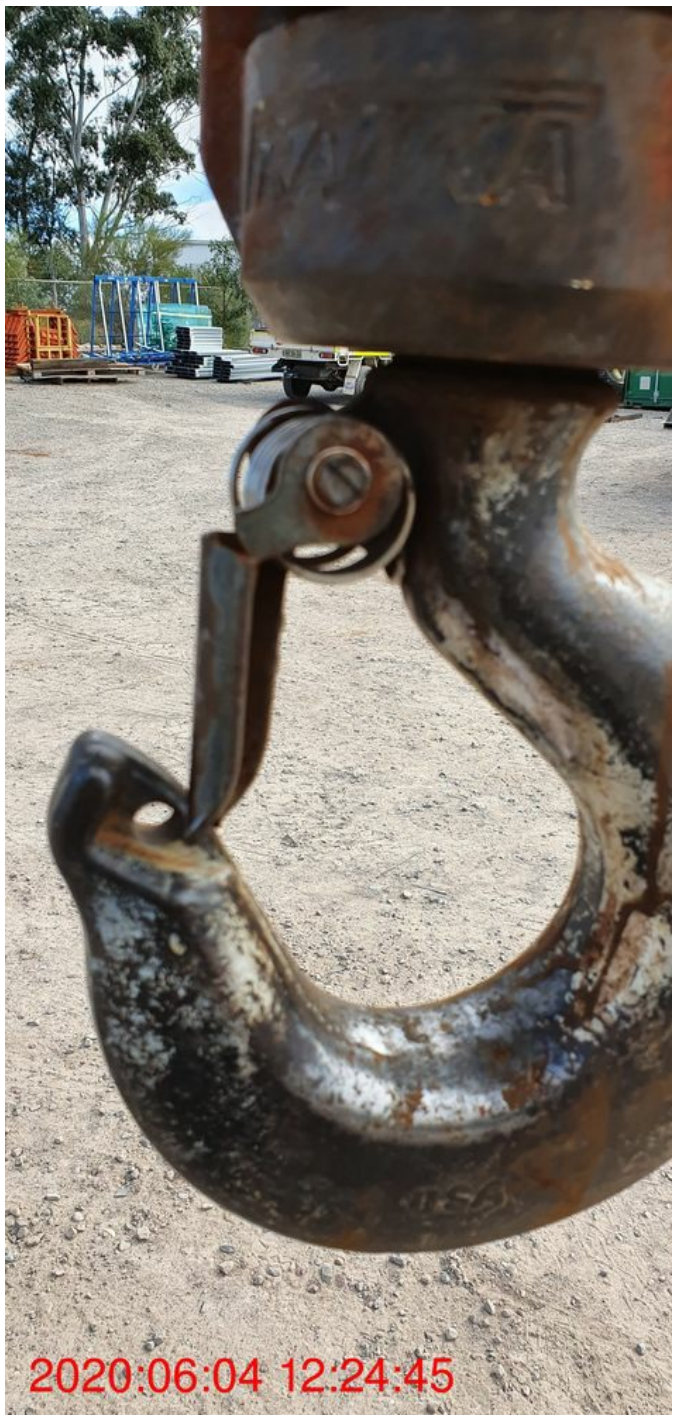
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Manufacturers Identification



Description
Safety latch damaged



Manufacturers Identification



FRAME AND CABIN



Counterweight Hazard Striping
Faded hazard stripes

Air Conditioner

DRIVE SYSTEMS

Drive Coupling



CHASSIS INSPECTION

Suspension System



Articulation Joint



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HYDRAULIC SYSTEM

Relief Valves



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AIR SYSTEMS

Air Dryer



ELECTRICAL SYSTEMS

Horn for Road Travel

MAIN WINCH

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Leaks



Rope Spooling



Correct Assembly and Connection of Hoist Rope Anchor

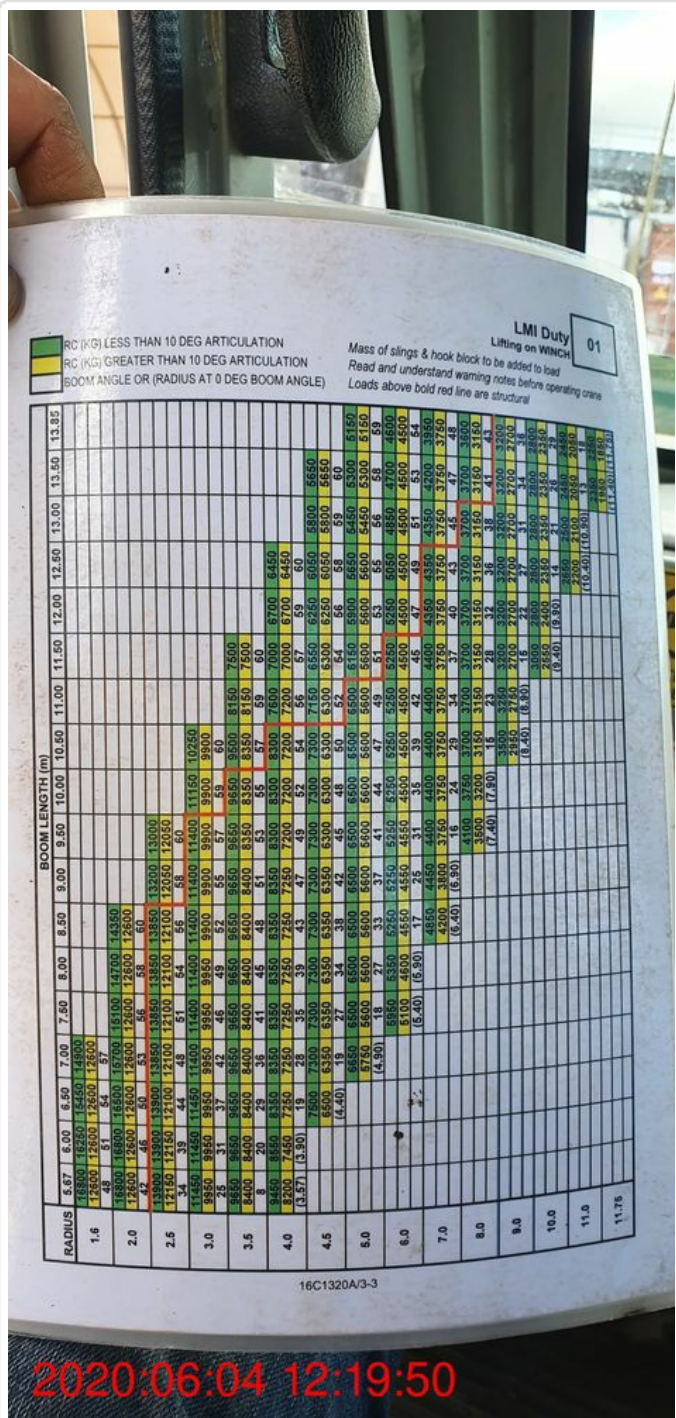


FUNCTIONAL TESTS - MAIN WINCH

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Load Chart Reference Number



Rated Load - Boom Fully Extended - Load RC1

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Rated Load - Boom Fully Extended - Load Measured



Line Pull Test - Load RCI



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Line Pull Test - Load Measured





Farrelly Construction Services

Farrelly Construction Services
 ABN 19 136 719 394
 PO BOX 284
 RUTHERFORD, NSW, 2320
 Phone: 02 4932 4771
 Email: admin@fpcs.com.au
 Website: www.fpcs.com.au

FCS SERVICE REPORT

Service No. 1000

CUSTOMER: FCS

ADDRESS: _____

CONTACT PHONE: _____

MACHINE MAKE: TEREX

MODEL: AT20-3

SERIAL NUMBER: 4458 F20075

HOUR METER: 10979

		OK	POTENTIAL	URGENT	
A. General Maintenance - Visual Inspection		1	2	3	Comments
1	Oil Leaks	/			
2	ROPS Protection	/			
3	Main Frame	/			
4	Boom Arms	/			
5	Bob Tach (wedges & linkage)				
6	Tyre/Track Condition	/			
7	Axles (Leaks)	/			

B. Operational Checks		1	2	3	Comments
8	Throttle	/			
9	Pedal Linkage & Auxillary	/			
10	Steering Creep (return to Neutral)	/			
11	Exhaust Smoke	/			
12	Check Preheaters	/			
13	Indicator Lights	/			
a	Hydro Filter	/			
b	Engine Oil Pressure	/			
c	Engine Temperature	/			
d	Alternator Charge	/			
e	Hourmeter	/			
14	Check Ignition Switch	/			
15	Fuel Gauge	/			
16	Lights	/			

C. General Maintenance		1	2	3	Comments
17	Check Engine Oil Level	/			
18	Check Engine Oil Leaks	/			
19	Alternator (check mount)	/			
20	Check Alternator Belt	/			
21	Check Angle Drive Belt	/			
22	Check Pump Drive Belt	/			
23	Inspect Engine Mounts	/			
24	Starter Mount Bolts	/			
25	Empty Water Trap (if applic)	/			
26	Battery (water & terminals)	/			
27	Inspect Bob Tach Lever Operation	/			
28	Check Chaincase Oil Level	/			
29	Check Hydraulic Fluid Level	/			

D. Last Filter Change Date		OK	POTENTIAL	URGENT	Comments
	1	2	3		
30	Engine	/			
31	Fuel	/			
32	Hydrostatic	/			
33	Air Primary	/			
34	Air Secondary	/			

E. Cooling System		1	2	3	Comments
35	Check Coolant Level	/			
36	Fan Blade Condition (if applic)	/			
37	Hose Connections	/			
38	Water Pump (leaks)	/			

F. Roll Up Cab		1	2	3	Comments
39	Check Pump Mount	/			
40	Check Steer Bolts	/			
41	Check for Leaks	/			

G. Cylinder Check		1	2	3	Comments
42	Check Lift/Tilt Cylinders For Leaks	/			
43	Check Bucket Cylinder For Leaks	/			
44	Check Hoses For Wear	/			

H. Safety Check		1	2	3	Comments
45	Seat Bar Operation	/			
46	Lift & Tilt Pedal Locks	/			
47	Parking Brake	/			
48	Lift Override Valve	/			
49	Seat Belts (damage/latch operation)	/			
50	ROPS Fasteners Secure	/			
51	Decals	/			

Comments
1000 HOUR SERVICE
CLEARANCE LIGHT x2
BEACON WIRING
REV CAMERA WIRING

INSPECTED BY: DB Bishop DATE: 10-1-20

CUSTOMER SIGNATURE: _____ DATE: _____



Certificate No: NSW148771

CraneSafe®

Accreditation no. 19898

CERTIFICATE OF ANNUAL INSPECTION AND TESTING

Articulated Mobile Crane

Inspection Date: 04/06/20

Renewal Date: 04/06/2021

Issued Date: 24/06/2020

Location of Inspection: Kurri Kurri

Crane Owner: C & C Construction Services

Address: 1 Sir Henry Parkes Avenue MEDOWIE, 2318, NSW, Australia

Crane Make: Franna

Crane Model: AT 20

Crane Serial Number: 4458

YOM: 2010

Hours: 11450



Inspection in accordance with: AS2550.1 & AS2550.5 EN (FEM&ISO) JIS

Codes of Practice Manufacturer's Instructions.

Inspection Comments:

This certificate is confirmation that the crane has undergone an annual inspection to the appropriate standard and is considered safe for continued operation at time of inspection.



Signed:

Printed Name: Troy Kiem

CraneSafe Assessor No.: NSW1082

CraneSafe Assessment No: AC A 148771-11

Accredited for compliance with ISO/IEC 17020

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